CLAIMS

1. Process for manufacturing hydrazine by hydrolysing an azine, which is carried out in a column fed at the top with azine and water, and from which hydrazine is removed at the bottom and the ketone released is removed at the top, characterized in that the heat required for the reactions and the separation of the various components is partly supplied by means of a boiling vessel and partly by injection, into at least one point of the column, of vaporized water.

2. Process according to Claim 1, characterized in that the vaporized water is injected into the bottom of the column.

3. Process according to either of Claims 1 and 2, characterized in that the amount of water injected in the form of vaporized water represents from 20 to 80 % and preferably from 40 to 60 % of the total water.

4. Process according to one of Claims 1 to 3, characterized in that the vaporized water is at a temperature of between 130 and 220°C and at a relative pressure of between 3 and 18 bar.